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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	MAY 01	New CAS web site launched
NEWS	3	MAY 08	CA/CAPplus Indian patent publication number format defined
NEWS	4	MAY 14	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS	5	MAY 21	BIOSIS reloaded and enhanced with archival data
NEWS	6	MAY 21	TOXCENTER enhanced with BIOSIS reload
NEWS	7	MAY 21	CA/CAPplus enhanced with additional kind codes for German patents
NEWS	8	MAY 22	CA/CAPplus enhanced with IPC reclassification in Japanese patents
NEWS	9	JUN 27	CA/CAPplus enhanced with pre-1967 CAS Registry Numbers
NEWS	10	JUN 29	STN Viewer now available
NEWS	11	JUN 29	STN Express, Version 8.2, now available
NEWS	12	JUL 02	LEMBASE coverage updated
NEWS	13	JUL 02	LMEDLINE coverage updated
NEWS	14	JUL 02	SCISEARCH enhanced with complete author names
NEWS	15	JUL 02	CHEMCATS accession numbers revised
NEWS	16	JUL 02	CA/CAPplus enhanced with utility model patents from China
NEWS	17	JUL 16	CAPplus enhanced with French and German abstracts
NEWS	18	JUL 18	CA/CAPplus patent coverage enhanced
NEWS	19	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS	20	JUL 30	USGENE now available on STN
NEWS	21	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	22	AUG 06	BEILSTEIN updated with new compounds
NEWS	23	AUG 06	FSTA enhanced with new thesaurus edition

NEWS EXPRESS 29 JUNE 2007: CURRENT WINDOWS VERSION IS V8.2,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 05 JULY 2007.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 14:00:58 ON 07 AUG 2007

=> file caplus

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SESSION

FULL ESTIMATED COST

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FILE 'CAPLUS' ENTERED AT 14:01:10 ON 07 AUG 2007

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FILE COVERS 1907 - 7 Aug 2007 VOL 147 ISS 7

FILE LAST UPDATED: 6 Aug 2007 (20070806/ED)

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=> s (coating or coated) and (pharmaceutical or substrte or agent)

802741 COATING

373900 COATINGS

865060 COATING

(COATING OR COATINGS)

517718 COATED

2 COATEDS

517720 COATED

(COATED OR COATEDS)

245188 PHARMACEUTICAL

89966 PHARMACEUTICALS

299339 PHARMACEUTICAL

(PHARMACEUTICAL OR PHARMACEUTICALS)

13 SUBSTRTE

6 SUBSTRTES

19 SUBSTRTE

(SUBSTRTE OR SUBSTRTES)

855739 AGENT

1252477 AGENTS

1756067 AGENT

(AGENT OR AGENTS)

L1 160162 (COATING OR COATED) AND (PHARMACEUTICAL OR SUBSTRTE OR AGENT)

=> s L1 and stigmasterol

6498 STIGMASTEROL

22 STIGMASTEROLS

6507 STIGMASTEROL

(STIGMASTEROL OR STIGMASTEROLS)

L2 15 L1 AND STIGMASTEROL

=> s L1 and (solvent near sterol)

708757 SOLVENT

343099 SOLVENTS

886601 SOLVENT

(SOLVENT OR SOLVENTS)

590576 NEAR

349 NEARS

```

590881 NEAR
      (NEAR OR NEARS)
25168 STEROL
24576 STEROLS
36699 STEROL
      (STEROL OR STEROLS)
      0 SOLVENT NEAR STEROL
      (SOLVENT(W) NEAR(W) STEROL)
L3      0 L1 AND (SOLVENT NEAR STEROL)

=> S L1 and sterol
      25168 STEROL
      24576 STEROLS
      36699 STEROL
      (STEROL OR STEROLS)
L4      102 L1 AND STEROL

=> S L4 and solvent
      708757 SOLVENT
      343099 SOLVENTS
      886601 SOLVENT
      (SOLVENT OR SOLVENTS)
L5      13 L4 AND SOLVENT

=> S L2
      6498 STIGMASTEROL
      22 STIGMASTEROLS
      6507 STIGMASTEROL
      (STIGMASTEROL OR STIGMASTEROLS)
L6      15 L1 AND STIGMASTEROL

=> d scan

L6      15 ANSWERS  CAPLUS  COPYRIGHT 2007 ACS on STN
IC      ICM  A61K031-7024
      ICS  A61K031-202; A61K031-16; A61K031-225
INCL    514023000; 514560000; 514625000; 514561000; 514547000
CC      63-6 (Pharmaceuticals)
      Section cross-reference(s): 17
TI      Pharmaceutical compositions containing waxy acids for decreasing
      serum cholesterol levels
ST      pharmaceutical serum cholesterol waxy acid
IT      Fatty acids, biological studies
      RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
      (alkali metal salts; pharmaceutical compns. containing waxy acids
      for decreasing serum cholesterol levels)
IT      Drug delivery systems
      (capsules; pharmaceutical compns. containing waxy acids for
      decreasing serum cholesterol levels)
IT      Glycols, biological studies
      RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
      (esters; pharmaceutical compns. containing waxy acids for
      decreasing serum cholesterol levels)
IT      Cynara scolymus
      Medicago sativa
      (exts.; pharmaceutical compns. containing waxy acids for
      decreasing serum cholesterol levels)
IT      Alkali metal salts
      RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
      (fatty acid salts; pharmaceutical compns. containing waxy acids
      for decreasing serum cholesterol levels)
IT      Drug delivery systems
      (liposomes; pharmaceutical compns. containing waxy acids for
      decreasing serum cholesterol levels)
IT      Fatty acids, biological studies

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RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (long-chain, saturated; pharmaceutical compns. containing waxy acids
 for decreasing serum cholesterol levels)

IT Fatty acids, biological studies
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (monounsaturated; pharmaceutical compns. containing waxy acids for
 decreasing serum cholesterol levels)

IT Waxes
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (of plant; pharmaceutical compns. containing waxy acids for
 decreasing serum cholesterol levels)

IT Fatty acids, biological studies
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (of waxes; pharmaceutical compns. containing waxy acids for
 decreasing serum cholesterol levels)

IT Anticholesteremic agents
 Antioxidants
 Beverages
 Binders
 Buffers
 Coating materials
 Emulsifying agents
 Fillers
 Lubricants
 Margarine
 Mayonnaise
 Ozocerite
 Preservatives
 Salad dressings
 Sequestering agents
 Stabilizing agents
 Surfactants
 (pharmaceutical compns. containing waxy acids for decreasing
 serum cholesterol levels)

IT Amides, biological studies
 Anhydrides
 Bile acids
 Diglycerides
 Esters, biological studies
 Fibers
 Glycerides, biological studies
 Glycolipids
 Lecithins
 Monoglycerides
 Montan wax
 Phospholipids, biological studies
 Polysaccharides, biological studies
 Proteins
 Saponins
 Soaps
 Sterols
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (pharmaceutical compns. containing waxy acids for decreasing
 serum cholesterol levels)

IT Alcohols, biological studies
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (polyhydric, esters; pharmaceutical compns. containing waxy acids
 for decreasing serum cholesterol levels)

IT Fatty acids, biological studies
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (polyunsaturated; pharmaceutical compns. containing waxy acids for
 decreasing serum cholesterol levels)

IT Fatty acids, biological studies
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (salts; pharmaceutical compns. containing waxy acids for

decreasing serum cholesterol levels)

IT Carbohydrates, biological studies
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (sugar esters; pharmaceutical compns. containing waxy acids for decreasing serum cholesterol levels)

IT Drug delivery systems
 (tablets, chewable; pharmaceutical compns. containing waxy acids for decreasing serum cholesterol levels)

IT Drug delivery systems
 (tablets; pharmaceutical compns. containing waxy acids for decreasing serum cholesterol levels)

IT Alcohols, biological studies
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (trihydric, esters; pharmaceutical compns. containing waxy acids for decreasing serum cholesterol levels)

IT Fats and Glyceridic oils, biological studies
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (vegetable; pharmaceutical compns. containing waxy acids for decreasing serum cholesterol levels)

IT Milk preparations
 (yogurt; pharmaceutical compns. containing waxy acids for decreasing serum cholesterol levels)

IT 57-88-5, Cholesterol, biological studies
 RL: ADV (Adverse effect, including toxicity); BIOL (Biological study)
 (pharmaceutical compns. containing waxy acids for decreasing serum cholesterol levels)

IT 50-21-5D, Lactic acid, esters 57-10-3, Palmitic acid, biological studies
 59-67-6, Niacin, biological studies 64-19-7D, Acetic acid, esters
 77-92-9D, Citric acid, esters 83-46-5, β -Sitosterol 83-48-7,
 Stigmasterol 87-69-4D, Tartaric acid, esters 506-48-9,
 Octacosanoic acid 557-59-5, Tetracosanoic acid 9000-69-5, Pectin
 14440-80-3, Stearoyl 2-Lactylate 37247-92-0, Cholestatin 127121-08-8,
 Phytostanol
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (pharmaceutical compns. containing waxy acids for decreasing serum cholesterol levels)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L6 15 ANSWERS CAPLUS COPYRIGHT 2007 ACS on STN

IC ICM A61K009-127
 ICS A61K047-26; A61K047-28; B01J013-02

CC 63-6 (Pharmaceuticals)

TI Pharmaceutical liposomes coated with sterols and/or their glucosides

ST pharmaceutical liposome sterol coating
 bioavailability; glucoside sterol coating pharmaceutical liposome

IT Liver
 (parenchymal cells; pharmaceutical liposomes coated with sterols and/or their glucosides for slow-release or for liver targeting)

IT Drug bioavailability
 Solution rate
 (pharmaceutical liposomes coated with sterols and/or their glucosides for slow-release or for liver targeting)

IT Steroids, biological studies
 RL: BPR (Biological process); BSU (Biological study, unclassified); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
 (hydroxy, pharmaceutical liposomes coated with sterols and/or their glucosides for slow-release or for liver targeting)

IT Pharmaceutical dosage forms
 (liposomes, multilamellar, pharmaceutical liposomes)

coated with sterols and/or their glucosides for slow-release or
for liver targeting)

IT Glycosides

RL: BPR (Biological process); BSU (Biological study, unclassified); PUR
(Purification or recovery); RCT (Reactant); THU (Therapeutic use); BIOL
(Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or
reagent); USES (Uses)

(steroidal, pharmaceutical liposomes coated with
sterols and/or their glucosides for slow-release or for liver
targeting)

IT 83-46-5P 83-48-7P, Stigmasterol 474-58-8P 474-62-4P,
Campesterol 474-67-9P, Brassicasterol 19716-26-8P,
Stigmasteryl-D-glucoside 32214-82-7P 51587-44-1P

RL: BPR (Biological process); BSU (Biological study, unclassified); PUR
(Purification or recovery); THU (Therapeutic use); BIOL (Biological
study); PREP (Preparation); PROC (Process); USES (Uses)

(pharmaceutical liposomes coated with sterols
and/or their glucosides for slow-release or for liver targeting)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

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(FILE 'HOME' ENTERED AT 14:00:58 ON 07 AUG 2007)

FILE 'CAPLUS' ENTERED AT 14:01:10 ON 07 AUG 2007

L1 160162 S (COATING OR COATED) AND (PHARMACEUTICAL OR SUBSTRATE OR AGENT)

L2 15 S L1 AND STIGMASTEROL

L3 0 S L1 AND (SOLVENT NEAR STEROL)

L4 102 S L1 AND STEROL

L5 13 S L4 AND SOLVENT

L6 15 S L2

=> S L5

708757 SOLVENT

343099 SOLVENTS

886601 SOLVENT

(SOLVENT OR SOLVENTS)

L7 13 L4 AND SOLVENT

=> d scan

L7 13 ANSWERS CAPLUS COPYRIGHT 2007 ACS on STN

CC 28 (Sugars, Starch, and Gums)

TI Sugar-cane wax, its properties and uses

IT Waterproofing

(agents for, from sugar-cane wax)

IT Fruit

(coatings for, from sugar-cane wax)

IT Coating(s)

(for fruit, from sugar-cane wax)

IT Carotene

Lubricants

Shoe dressings

(from sugar-cane wax)

IT Polishing materials

(from sugar-cane wax for floors)

IT Paint

(from sugar-cane wax, weatherproof)

IT Corrosion

(prevention of, sugar-cane-wax preps. for)

IT Waxes or Waxy substances

(sugar-cane)

IT Carbon paper

Ink ribbons

(sugar-cane wax in manufacture of)
IT Sugar cane
(wax from, extraction of)
IT 1406-16-2, Vitamin D
(from sugar-cane wax)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L7 13 ANSWERS CAPLUS COPYRIGHT 2007 ACS on STN
IC ICM A61K035-78
INCL 424722000; 424777000; 424757000; 424764000; 424735000; 424736000;
424766000; 424727000
CC 63-4 (Pharmaceuticals)
TI Using organic and/or inorganic potassium and its salts to treat autoimmune
and other health disorders and methods of administering the same
ST org inorg potassium salt autoimmune disorder ext fruit
IT Dermatitis
(atopic; using organic and/or inorg. potassium and its salts to treat
autoimmune and other health disorders and methods of administering the
same)
IT Drug delivery systems
(caplets; using organic and/or inorg. potassium and its salts to treat
autoimmune and other health disorders and methods of administering the
same)
IT Drug delivery systems
(capsules; using organic and/or inorg. potassium and its salts to treat
autoimmune and other health disorders and methods of administering the
same)
IT Detergents
(cleaning compns.; using organic and/or inorg. potassium and its salts to
treat autoimmune and other health disorders and methods of
administering the same)
IT Cosmetics
(conditioners; using organic and/or inorg. potassium and its salts to
treat autoimmune and other health disorders and methods of
administering the same)
IT Drug delivery systems
(drink mix; using organic and/or inorg. potassium and its salts to treat
autoimmune and other health disorders and methods of administering the
same)
IT Drug delivery systems
(emulsions; using organic and/or inorg. potassium and its salts to treat
autoimmune and other health disorders and methods of administering the
same)
IT Taste
(enhancer; using organic and/or inorg. potassium and its salts to treat
autoimmune and other health disorders and methods of administering the
same)
IT Drug delivery systems
(foams; using organic and/or inorg. potassium and its salts to treat
autoimmune and other health disorders and methods of administering the
same)
IT Phaseolus vulgaris
(fried; using organic and/or inorg. potassium and its salts to treat
autoimmune and other health disorders and methods of administering the
same)
IT Drug delivery systems
(gels; using organic and/or inorg. potassium and its salts to treat
autoimmune and other health disorders and methods of administering the
same)
IT Drug delivery systems
(granules, enteric-coated; using organic and/or inorg. potassium
and its salts to treat autoimmune and other health disorders and
methods of administering the same)
IT Drug delivery systems

(granules; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Drying
(heat; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Drug delivery systems
(lotions; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Potash deposits
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(natural; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Drug delivery systems
(ointments, creams; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Drug delivery systems
(ointments; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Drug delivery systems
(oral; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Musa
(peel extract; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Sterols
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(phytosterols; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Drug delivery systems
(powders, effervescent; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Phaseolus lunatus
(seed; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Drug delivery systems
(solns.; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Drug delivery systems
(sprays; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Fruit tree
(sucker; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Helianthus annuus
(sunflower seed; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Seed
(sunflower; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Drug delivery systems
(suspensions; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Drug delivery systems
(tablets, chewable; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Drug delivery systems
(tablets, effervescent; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Drug delivery systems
(tablets, enteric-coated; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Drug delivery systems
(tablets, sustained-release; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Drug delivery systems
(tablets; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Drug delivery systems
(tapes, buccal; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Drug delivery systems
(tapes; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Drug delivery systems
(topical; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Drug delivery systems
(transdermal, controlled-release; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Drug delivery systems
(transdermal, patch; using organic and/or inorg. potassium and its salts to treat autoimmune and other health disorders and methods of administering the same)

IT Actinidia chinensis
Autoimmune disease
Cellulose pulp
Chewing gum
Citrus sinensis
Coloring materials
Cosmetics
Dietary fiber
Dietary supplements
Eczema
Evaporation
Extraction
Filtration
Flavoring materials
Flower
Food
Freeze drying
Fruit
Glycine max
Human
Ipomoea batatas

Leaf
 Lycopersicon esculentum
 Mangifera indica
 Multiple sclerosis
 Musaceae
 Orange
 Persea americana
 Phoenix dactylifera
 Prunus amygdalus
 Prunus armeniaca
 Prunus domestica
 Psoriasis
 Raisin
 Root
 Seed
 Shampoos
 Skin, disease
 Spinacia oleracea
 Stem
 Vasoconstrictors
 Vegetable
 Zingiberales

(using organic and/or inorg. potassium and its salts to treat autoimmune
 and other health disorders and methods of administering the same)

IT Ligroine

RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
 (using organic and/or inorg. potassium and its salts to treat autoimmune
 and other health disorders and methods of administering the same)

IT Soaps

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
 USES (Uses)
 (using organic and/or inorg. potassium and its salts to treat autoimmune
 and other health disorders and methods of administering the same)

IT Fibers

RL: FFD (Food or feed use); THU (Therapeutic use); BIOL (Biological
 study); USES (Uses)
 (using organic and/or inorg. potassium and its salts to treat autoimmune
 and other health disorders and methods of administering the same)

IT Carbohydrates, biological studies

Minerals, biological studies

Vitamins

α -Adrenoceptors

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (using organic and/or inorg. potassium and its salts to treat autoimmune
 and other health disorders and methods of administering the same)

IT 64-17-5, Ethanol, uses 67-56-1, Methanol, uses 67-64-1, Acetone, uses
 67-66-3, Chloroform, uses 71-36-3, Butanol, uses 71-43-2, Benzene,
 uses 74-87-3, Methyl chloride, uses 110-54-3, Hexane, uses
 1490-04-6, Menthol 7664-41-7, Ammonia, uses

RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
 (using organic and/or inorg. potassium and its salts to treat autoimmune
 and other health disorders and methods of administering the same)

IT 51-41-2, Norepinephrine 51-43-4, Epinephrine 59-42-7, Phenylephrine
 83-46-5, β -Sitosterol 83-48-7, Stigmasterol 84-22-0,
 Tetrahydrozoline 90-82-4, Pseudoephedrine 127-08-2, Potassium acetate
 298-14-6, Potassium bicarbonate 299-27-4, Potassium gluconate
 299-42-3, Ephedrine 390-28-3, Methoxamine 474-58-8, Daucosterol
 474-62-4, Campesterol 526-36-3, Xylometazoline 584-08-7, Potassium
 carbonate 835-31-4, Naphazoline 866-84-2, Potassium citrate
 868-14-4, Potassium bitartrate 1319-69-3, Potassium glycerophosphate
 1491-59-4, Oxymetazoline 4205-90-7, Clonidine 7440-09-7, Potassium,
 biological studies 7440-09-7D, Potassium, homeopathic salt, ayurvedic
 salt, chelated 7447-40-7, Potassium chloride, biological studies
 7646-93-7, Potassium bisulfate 7681-11-0, Potassium iodide, biological
 studies 7683-59-2, Isoproterenol 7722-64-7, Potassium permanganate

7758-02-3, Potassium bromide, biological studies 7758-05-6 7758-11-4,
Potassium phosphate dibasic 7778-53-2 7778-77-0, Potassium phosphate
monobasic 10124-50-2, Potassium arsenite 10294-64-1, Potassium
manganate 11137-59-0, Potassium aluminate 17466-29-4, Potassium
phosphite

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(using organic and/or inorg. potassium and its salts to treat autoimmune
and other health disorders and methods of administering the same)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L7 13 ANSWERS CAPLUS COPYRIGHT 2007 ACS on STN

IC ICM A61K009-14

ICS A61K038-28; A61P003-10

CC 63-6 (Pharmaceuticals)

TI Synthesis of small particles of biol. active agents, such as
pH-sensitive proteins

ST drug particle solvent antisolvent modifier sonication;
micronization drug solvent antisolvent modifier app

IT Alkanes, uses

RL: NUU (Other use, unclassified); USES (Uses)

(C1-4; apparatus and method for preparation of small particles of biol.

active

agents)

IT Alkenes, uses

Alkynes

RL: NUU (Other use, unclassified); USES (Uses)

(C2-4; apparatus and method for preparation of small particles of biol.

active

agents)

IT Drug delivery systems

(aerosols, powders; apparatus and method for preparation of small particles

of

biol. active agents)

IT Polarity

(antisolvents, modifiers; apparatus and method for preparation of small

particles

of biol. active agents)

IT Solvents

(antisolvents; apparatus and method for preparation of small particles of

biol.

active agents)

IT Antidiabetic agents

Liposomes

Particle shape

Particle size

Particle size distribution

Sonication

Surfactants

(apparatus and method for preparation of small particles of biol. active
agents)

IT Lipids, biological studies

Nucleic acids

Phospholipids, biological studies

Proteins

RL: PEP (Physical, engineering or chemical process); THU (Therapeutic
use); BIOL (Biological study); PROC (Process); USES (Uses)

(apparatus and method for preparation of small particles of biol. active
agents)

IT Drug delivery systems

(capsules; apparatus and method for preparation of small particles of biol.
active agents)

IT Drug delivery systems

(controlled-release, coatings for; apparatus and method for preparation
of small particles of biol. active agents)

IT Coating materials
(for controlled drug release; apparatus and method for preparation of small particles of biol. active agents)

IT Drug delivery systems
(inhalants; apparatus and method for preparation of small particles of biol. active agents)

IT Autoimmune disease
(insulin-dependent diabetes mellitus; apparatus and method for preparation of small particles of biol. active agents)

IT Diabetes mellitus
(insulin-dependent; apparatus and method for preparation of small particles of biol. active agents)

IT Pulverization
(micronization; apparatus and method for preparation of small particles of biol. active agents)

IT Drug delivery systems
(microparticles; apparatus and method for preparation of small particles of biol. active agents)

IT Solvents
(non-gaseous; apparatus and method for preparation of small particles of biol. active agents)

IT Drug delivery systems
(oral; apparatus and method for preparation of small particles of biol. active agents)

IT Drug delivery systems
(particles; apparatus and method for preparation of small particles of biol. active agents)

IT Sterols
RL: PEP (Physical, engineering or chemical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(phyto-; apparatus and method for preparation of small particles of biol. active agents)

IT Drug delivery systems
(sustained-release; apparatus and method for preparation of small particles of biol. active agents)

IT Drug delivery systems
(transdermal; apparatus and method for preparation of small particles of biol. active agents)

IT Polymers, biological studies
RL: PEP (Physical, engineering or chemical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(water-soluble; apparatus and method for preparation of small particles of biol. active agents)

IT 9004-10-8D, Insulin, deamidated
RL: FMU (Formation, unclassified); FORM (Formation, nonpreparative)
(apparatus and method for preparation of small particles of biol. active agents)

IT 64-17-5, Ethanol, uses 74-84-0, Ethane, uses 124-38-9, Carbon dioxide, uses 811-97-2, R 134a
RL: NUU (Other use, unclassified); USES (Uses)
(apparatus and method for preparation of small particles of biol. active agents)

IT 9004-10-8, Insulin, biological studies
RL: PEP (Physical, engineering or chemical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)

(apparatus and method for preparation of small particles of biol. active agents)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> D his

(FILE 'HOME' ENTERED AT 14:00:58 ON 07 AUG 2007)

FILE 'CAPLUS' ENTERED AT 14:01:10 ON 07 AUG 2007

L1 160162 S (COATING OR COATED) AND (PHARMACEUTICAL OR SUBSTRTE OR AGENT)
L2 15 S L1 AND STIGMASTEROL
L3 0 S L1 AND (SOLVENT NEAR STEROL)
L4 102 S L1 AND STEROL
L5 13 S L4 AND SOLVENT
L6 15 S L2
L7 13 S L5

=> D L6 1-15 abs ibib

L6 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB The title inhalable aerosol is composed of (by weight%) pennogenin compound 0.01-5, coating material 0.01-15, latent solvent 0.03-20, antioxidant 0.2-5, solvent 10-45, and propellant 30-75. The coating material can be cyclodextrin, sterol, and phospholipid. The aerosol can be inhaled through nose or mouth into lung for treating blood syndrome and gynecol. inflammation with high bioavailability, rapid action and convenience.

ACCESSION NUMBER: 2007:391313 CAPLUS
DOCUMENT NUMBER: 146:448354
TITLE: Aerosol inhalants containing pennogenin for treating blood syndrome and gynecological inflammation
INVENTOR(S): Tang, Shuming; Feng, You; Gao, Chongkun
PATENT ASSIGNEE(S): Yunnan Baiyao Group Co., Ltd., Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 11pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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CN 1939322	A	20070404	CN 2005-10011037	20050927
PRIORITY APPLN. INFO.:			CN 2005-10011037	20050927
OTHER SOURCE(S):	MARPAT	146:448354		

L6 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB The title Cortex Phellodendri Amurensis exts. comprise berberine, berberrubine, phellodendrine, magnoflorine, jatrorrhizine, palmatine, candicine, menisperine, guanidine, obaculactone, obacunone, γ - and β -sitosterol, campesterol, stigmasterol, 7-dehydrostigmasterol, dictamnolide, obacunonic acid, lumicaeruleic acid, 24-methylenecycloartenol, γ -hydroxybutenolide derivs. I and II, hispiol, olides, sterols, linear furanocoumarins, etc. The coating containing Cortex Phellodendri Amurensis exts. can inhibit the breath and RNA synthesis of bacteria, and can effectively inhibit the pollution and spread of the bacteria during paint manufacture, transportation, storage and application.

ACCESSION NUMBER: 2007:145182 CAPLUS
DOCUMENT NUMBER: 146:276178
TITLE: Application of Cortex phellodendri amurensis extracts in bactericidal coating
INVENTOR(S): Huang, Huaxin
PATENT ASSIGNEE(S): Peop. Rep. China

SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 6pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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CN 1908084	A	20070207	CN 2006-10121121	20060818
PRIORITY APPLN. INFO.:			CN 2006-10121121	20060818

L6 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB A method for manufacturing functional rice having plant sterol and the functional rice manufactured therefrom are provided, which functional rice coated with plant sterol having cholesterol reducing activity has native taste and appearance, so that a consumer can easily absorb the plant sterol from the rice. The method for manufacturing functional rice having plant sterol comprises the steps of: mixing plant sterol with emulsifying agent in a weight ratio of 1:0.2 to 1:0.4, heating the mixture at 70 to 200° campestanol and a mixture thereof; the emulsifying agent is sucrose fatty acid ester, poly glycerin fatty acid ester, polysaccharides and a mixture thereof; the dispersion solvent is water containing 0.1 to 1 weight% of soybean polysaccharides; and the functional rice contains 0.09 to 0.2 weight% of plant sterol.

ACCESSION NUMBER: 2006:866815 CAPLUS
DOCUMENT NUMBER: 145:291774
TITLE: Method for manufacturing functional rice coated with plant sterol having cholesterol reducing activity and the functional rice manufactured therefrom

INVENTOR(S): Kim, Bo Cheon; Kim, Chang Gon; Kim, Myung Kuk
PATENT ASSIGNEE(S): Eugene Science Inc., S. Korea
SOURCE: Repub. Korean Kongkae Taeho Kongbo, No pp. given
CODEN: KRXXA7

DOCUMENT TYPE: Patent
LANGUAGE: Korean
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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KR 2005014537	A	20050207	KR 2003-53196	20030731
PRIORITY APPLN. INFO.:			KR 2003-53196	20030731

L6 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB The present invention relates to an ingestible coating agent comprising: (a) sterol, and (b) solvent. The coating agent can be used to protect ingestible substrates from adverse conditions that would otherwise lead to degradation of the substrate. Preferably, the solvent comprises azeotropic solvent. In another aspect, the present invention provides a coated substrate comprising an ingestible coating and an ingestible substrate. The coating agent can be used to coat any suitable substrate. Suitable substrates can include, but are not limited to, vitamins, amino acids, minerals, phytochemicals, carotenoids, pharmaceuticals, salts, nutrients, physiological active agents, and mixtures thereof.

ACCESSION NUMBER: 2005:1050499 CAPLUS
DOCUMENT NUMBER: 143:332597
TITLE: Stable coating agent comprising sterol and azeotropic solvent
INVENTOR(S): Sarama, Robert Joseph; Niehoff, Raymond Louis; Beimesch, Wayne Edward

PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 6 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005214370	A1	20050929	US 2004-811256	20040326
CA 2558903	A1	20051013	CA 2005-2558903	20050323
WO 2005094610	A1	20051013	WO 2005-US9946	20050323
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1727437	A1	20061206	EP 2005-744103	20050323
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
PRIORITY APPLN. INFO.:			US 2004-811256	A 20040326
			WO 2005-US9946	W 20050323

L6 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB The present invention relates to a composition of potassium derived from organic

source, preparation, method and amount of administration for treatment of autoimmune disorders and supplementation in the form of general preparation A food source which is high in a natural or organic potassium content is first dehydrated to remove water to a substantial degree, i.e. freeze dried; the so dehydrated food source is then reduced to small particles and the carbohydrate content thereof is extracted there from by a solvent in which carbohydrates are more soluble but proteins and organic potassium compds. are not, such as aqueous ethanol; the residue that remains after carbohydrate extraction is dried of solvent and used in pharmaceuticals, food supplements, food products and cosmetics to supplement the body's intake of potassium without possible side effects.

ACCESSION NUMBER: 2005:698148 CAPLUS
 DOCUMENT NUMBER: 143:179503
 TITLE: Using organic and/or inorganic potassium and its salts to treat autoimmune and other health disorders and methods of administering the same
 INVENTOR(S): Medasani, Munisekhar; Jonnalagadda, Chandrasekhar
 PATENT ASSIGNEE(S): India
 SOURCE: U.S. Pat. Appl. Publ., 9 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005170020	A1	20050804	US 2004-854192	20040527
CA 2567637	A1	20051208	CA 2004-2567637	20040531
WO 2005115423	A1	20051208	WO 2004-IN149	20040531
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				

GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1763357 A1 20070321 EP 2004-735493 20040531
 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LI, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR
 PRIORITY APPLN. INFO.: US 2003-474181P P 20030529
 WO 2004-IN149 W 20040531

L6 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB Disclosed are pharmaceutical compns. suitable for oral administration of bioactive peptides. Particularly, the pharmaceutical compns. comprise peptides formulated as suspensions stabilized with a dispersing agent. The compns. may be encapsulated in capsules for oral administration. The compns. show improved dissoln. characteristics, which are believed to make them suitable for use in the treatment of gastrointestinal disorders.

ACCESSION NUMBER: 2005:517405 CAPLUS
 DOCUMENT NUMBER: 143:65402
 TITLE: Pharmaceutical compositions for bioactive peptide agents
 INVENTOR(S): Levy, Ralph E.
 PATENT ASSIGNEE(S): Sangstat Medical Corporation, USA
 SOURCE: PCT Int. Appl., 47 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005053727	A2	20050616	WO 2004-US41163	20041129
WO 2005053727	A3	20060526		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2005214331 A1 20050929 US 2004-328 20041129
 PRIORITY APPLN. INFO.: US 2003-525740P P 20031129

L6 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB A new composition for lowering serum cholesterol levels comprises at least a waxy acid with 23-50 carbon atoms and with serum cholesterol level reducing properties, and 0-99.99% of at least a component with serum cholesterol level effecting properties, and 0-20% by weight of at least an acceptable formulation aid. The efficacy of this composition can be enhanced by further incorporation of other cholesterol-reducing agents, like lecithin, tocotrienol, saponins, fibers, long-chain waxy alcs. and niacin. The composition combines the benefits of the single physiocolol. active constituents together with the technol. to increase the bioavailability. A Phytosterol complex (e.g., Cholestatin; 1 g) and 15 mg

of waxy acid complex (e.g., DWAC#1) are boiled in 50 mL of EtOAc/iso-PrOH mixture together with 1.0 g a 20% lecithin (e.g., Epikuron). The alc. is evaporated under vacuum to give a dispersion containing fine particles.

ACCESSION NUMBER: 2003:855646 CAPLUS
DOCUMENT NUMBER: 139:341766
TITLE: Pharmaceutical compositions containing waxy acids for decreasing serum cholesterol levels
INVENTOR(S): Pischel, Ivo; Fairrow, Herbert Clinton; Jager, Ralf
PATENT ASSIGNEE(S): Germany
SOURCE: U.S. Pat. Appl. Publ., 9 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003203854	A1	20031030	US 2002-131620	20020423
WO 2003090547	A1	20031106	WO 2003-EP4175	20030422
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003233042	A1	20031110	AU 2003-233042	20030422
PRIORITY APPLN. INFO.:			US 2002-131620	A 20020423
			WO 2003-EP4175	W 20030422

L6 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB The present invention relates to absorbent articles containing skin care compns. The skin care compns. containing about 40-99% of an emollient and about 1-60% of a stability enhancer are stable on the bodyside liners of absorbent articles despite not containing an immobilizing agent. Surprisingly, the skin care compns. of the invention even demonstrate less migration away from the bodyside liner than do other compns. that contain so-called immobilizing agents. The compns. of the invention possess phys. properties, such as m.ps., viscosities and hardnesses, comparable to compns. containing immobilizing agents, making them suitable for use on absorbent articles. For example, a composition containing

61%

white petrolatum and 39% Elvax 220 resin was slot coated onto standard bodyside liner of disposable diapers and evaluated for stability. The diapers were placed into aging chambers at 40° and 75% relative humidity showing the composition loss of 2.5% after 7 days.

ACCESSION NUMBER: 2002:696713 CAPLUS
DOCUMENT NUMBER: 137:222129
TITLE: Absorbent articles with simplified stable compositions containing emollient and polymeric stability enhancer
INVENTOR(S): Kruchoski, Benjamin Joseph; Kottek, Michael Brent; Krzysik, Duane Gerard; Cunningham, Corey Thomas; Orchard, Lewis Preole
PATENT ASSIGNEE(S): Kimberly-Clark Worldwide, Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 21 pp., Cont.-in-part of U.S. Ser. No. 746,880.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002128621	A1	20020912	US 2001-27264	20011221
US 6689932	B2	20040210		
US 2002128615	A1	20020912	US 2000-746880	20001222
PRIORITY APPLN. INFO.:			US 2000-746880	A2 20001222

L6 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB The present invention relates to absorbent articles including skin care compns. The skin care compns. of the invention are stable on the bodyside liners of absorbent articles despite not containing an immobilizing agent. Surprisingly, the skin care compns. of the invention even demonstrate less migration away from the bodyside liner than do other compns. that contain so-called "immobilizing agents". The compns. of the invention possess phys. properties, such as m.ps., viscosities and hardnesses, comparable to compns. containing immobilizing agents, making them suitable for use on absorbent articles. For example, a composition containing 79% white petrolatum and 21% Elvax 220 resin, when coated on the liner of a disposable diaper, showed a percent loss, an indicative of the Z-direction migration of the composition, of 3.3%.

ACCESSION NUMBER: 2002:504577 CAPLUS
DOCUMENT NUMBER: 137:68236
TITLE: Absorbent articles with simplified emollient compositions having good stability
INVENTOR(S): Kruchoski, Benjamin Joseph; Kottek, Michael B.; Krzysik, Duane Gerard; Cunningham, Corey Thomas; Orchard, Lewis Preole, IV
PATENT ASSIGNEE(S): Kimberly-Clark Worldwide, Inc., USA
SOURCE: PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002051363	A2	20020704	WO 2001-US50111	20011221
WO 2002051363	A3	20030206		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2002128615	A1	20020912	US 2000-746880	20001222
AU 2002232784	A1	20020708	AU 2002-232784	20011221
PRIORITY APPLN. INFO.:			US 2000-746880	A 20001222
			WO 2001-US50111	W 20011221

L6 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB A hydrocolloid protective coating for food and/or agricultural products comprises: 5-95% dried hydrocolloid gel; 0.2-50% of one or more natural compds. isolated from the surface of said product or a compound substantially equivalent thereto; 4-30% of water; and optional additives. The protective coating provides improved protection of the product, thereby extending its shelf-life. A method for producing the coating, and food and agricultural products protected by the coating are also disclosed. Thus, fresh garlic bulbs are immersed in 2% sodium alginate soln containing 0.2% β -sitosterol; a second

immersion in 2% calcium chloride then followed. The dried film of the coated garlic contained 81% cross-linked sodium alginate, 9% sterol, and 10% water.

ACCESSION NUMBER: 2001:741455 CAPLUS
DOCUMENT NUMBER: 135:256468
TITLE: Protective food coating containing dried hydrocolloid gel and sterols or other natural products
INVENTOR(S): Nussinovitch, Amos; Hershko, Varda; Rabinowitch, Haim D.
PATENT ASSIGNEE(S): Yisum Research Development Company of the Hebrew University of Jerusalem, Israel
SOURCE: U.S., 10 pp., Cont.-in-part of U.S. Ser. No. 836,602.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6299915	B1	20011009	US 2000-521959	20000309
WO 9613984	A1	19960517	WO 1995-US14252	19951102
W:	AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT			
RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
US 6068867	A	20000530	US 1997-836602	19970714
PRIORITY APPLN. INFO.:			IL 1995-111495	A 19951102
			WO 1995-US14252	A2 19951102
			US 1997-836602	A2 19970714
			IL 1994-111495	A 19941102
REFERENCE COUNT:	5	THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L6 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB A method for making a composition suitable for inclusion in a food product or beverage comprises the step of combining a hydrophobic compound which can be shown to be beneficial for human health with a component which is acceptable as a food additive, wherein the component which is acceptable as a food additive interacts with the surface of the hydrophobic compound. Preferably, the hydrophobic compound is a plant sterol or lycopene or a combination thereof. Food products and beverages supplemented with plant sterol and other hydrophobic compds. are provided. In particular, the food products or beverages are an emulsifiable spread or ones which are fermented with lactic acid bacteria.

ACCESSION NUMBER: 2000:493281 CAPLUS
DOCUMENT NUMBER: 133:104197
TITLE: Modified food products and beverages, and additives for food and beverages
INVENTOR(S): Vulfson, Evgeny Naum; Law, Barry Arnold
PATENT ASSIGNEE(S): Nutrahealth Ltd. (UK), UK
SOURCE: PCT Int. Appl., 91 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000041491	A2	20000720	WO 2000-GB96	20000117
WO 2000041491	A3	20001207		

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP 1146798 A2 20011024 EP 2000-900291 20000117

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

PRIORITY APPLN. INFO.:

GB 1999-748 A 19990115
GB 1999-1892 A 19990129
WO 2000-GB96 W 20000117

L6 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB Methods are provided for forming spherical multilamellar microcapsules having alternating hydrophilic and hydrophobic liquid layers, surrounded by flexible, semi-permeable hydrophobic or hydrophilic outer membranes which can be tailored specifically to control the diffusion rate. The methods of the invention rely on low shear mixing and liquid-liquid diffusion process and are particularly well suited for forming microcapsules containing both hydrophilic and hydrophobic drugs. These methods can be carried out in the absence of gravity and do not rely on d.-driven phase separation, mech. mixing or solvent evaporation phases. The methods include the process of forming, washing and filtering microcapsules. In addition, the methods contemplate coating microcapsules with ancillary coatings using an electrostatic field and free fluid electrophoresis of the microcapsules. The microcapsules produced by such methods are particularly useful in the delivery of pharmaceutical compns. A series of microencapsulation expts. carried out in absence of gravity (on space flights) was presented. E.g., multilamellar microcapsules were prepared in microgravity using (1) a primary solution (hydrocarbon) of 88% isopropanol, 2.5% hexanol, 2.5% heptanol, 5% iodinated poppy seed oil (IPO), 2% water, and 5% glycerol monostearate, (2) a sec. solution (aqueous) of 1% PEG 4000, 5% dextran 40, 0.9% NaCl, 2% Tween

80, water up to 100% by volume, and a drug at specific concentration (e.g., cisplatin, vancomycin, or Reglan), and (3) a storage solution (oil) immiscible with the first two fluids; the preferred oil vehicle was IPO which also served as a radio contrast medium.

ACCESSION NUMBER: 1999:753142 CAPLUS
DOCUMENT NUMBER: 132:15618
TITLE: Microencapsulation and electrostatic processing method using polymers and oils
INVENTOR(S): Morrison, Dennis R.; Mosier, Benjamin
PATENT ASSIGNEE(S): NASA/Johnson Space Center, USA
SOURCE: PCT Int. Appl., 61 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 9
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9959714	A1	19991125	WO 1999-US10654	19990514
W: JP				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 6103271	A	20000815	US 1998-79770	19980515
EP 1079918	A1	20010307	EP 1999-923047	19990514
EP 1079918	B1	20031217		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

IE, FI
 AT 256497 T 20040115 AT 1999-923047 19990514
 PRIORITY APPLN. INFO.: US 1998-79770 A 19980515
 US 1994-349169 A2 19941202
 WO 1999-US10654 W 19990514
 REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN
 AB A non-enteric-coated oral dosage form of an acid-labile drug
 (e.g. a proton pump inhibitor) comprises drug particles $\leq 200 \mu\text{m}$
 in size encapsulated in a mixture of ≥ 1 sterol and ≥ 1 polymer
 by spray drying a suspension of drug particles in a solution containing the
 sterol and polymer. Thus, cholesterol 7.0 and ethocel 5.0 g were
 dissolved in 100 mL CH_2Cl_2 , 5.0 g Na pantoprazole-1.5H₂O was suspended in
 the solution, and the suspension was spray dried in N₂ at 51° to
 produce a white, free-flowing powder which was combined with a granulated
 mixture of mannitol 134.7, PVP 30, and xanthan 20 g and dispensed into
 sachets or compressed into tablets.

ACCESSION NUMBER: 1999:384095 CAPLUS
 DOCUMENT NUMBER: 131:23545
 TITLE: Oral administration form containing an acid-labile
 active agent
 INVENTOR(S): Linder, Rudolf; Dietrich, Rango
 PATENT ASSIGNEE(S): Byk Gulden Lomberg Chemische Fabrik G.m.b.H., Germany
 SOURCE: Ger. Offen., 4 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19754324	A1	19990610	DE 1997-19754324	19971208
CA 2310585	C	19990617	CA 1998-2310585	19981208
CA 2310585	A1	19990617		
CA 2312493	A1	19990617	CA 1998-2312493	19981208
CA 2312493	C	20070306		
WO 9929299	A1	19990617	WO 1998-EP7946	19981208
W: AL, AU, BA, BG, BR, CA, CN, CZ, EE, GE, HR, HU, ID, IL, IN, JP, KR, LT, LV, MK, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, US, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
WO 9929320	A1	19990617	WO 1998-EP8036	19981208
W: AL, AU, BA, BG, BR, CA, CN, CZ, EE, GE, HR, HU, ID, IL, IN, JP, KR, LT, LV, MK, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, US, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9921600	A	19990628	AU 1999-21600	19981208
AU 751066	B2	20020808		
AU 9924130	A	19990628	AU 1999-24130	19981208
AU 748209	B2	20020530		
EP 1037634	A1	20000927	EP 1998-965801	19981208
EP 1037634	B1	20050907		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
EP 1037607	A1	20000927	EP 1998-966609	19981208
EP 1037607	B1	20040225		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
EE 200000329	A	20010815	EE 2000-329	19981208
EE 4800	B1	20070416		

EE 200000331	A	20010815	EE 2000-331	19981208
EE 4576	B1	20060215		
HU 200100043	A2	20010828	HU 2001-43	19981208
HU 200100065	A2	20010828	HU 2001-65	19981208
JP 2001525355	T	20011211	JP 2000-523971	19981208
JP 2001525366	T	20011211	JP 2000-523991	19981208
EP 1371361	A1	20031217	EP 2003-20043	19981208
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
AT 260090	T	20040315	AT 1998-966609	19981208
PT 1037607	T	20040730	PT 1998-966609	19981208
ES 2216351	T3	20041016	ES 1998-966609	19981208
EP 1525882	A1	20050427	EP 2004-106422	19981208
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, LV, FI, MK, CY, AL				
AT 303809	T	20050915	AT 1998-965801	19981208
ES 2249849	T3	20060401	ES 1998-965801	19981208
US 6328993	B1	20011211	US 2000-530944	20000622
US 6383510	B1	20020507	US 2000-554079	20000706
US 2002025342	A1	20020228	US 2001-983990	20011026
US 6569453	B2	20030527		
US 2002090397	A1	20020711	US 2002-96288	20020313
US 6607742	B2	20030819		
US 2004022854	A1	20040205	US 2003-423002	20030425
US 6884437	B2	20050426		

PRIORITY APPLN. INFO.:

DE 1997-19754324	A	19971208
DE 1998-19822549	A	19980520
EP 1998-965801	A3	19981208
EP 1998-966609	A3	19981208
WO 1998-EP7946	W	19981208
WO 1998-EP8036	W	19981208
US 2000-530944	XX	20000622
US 2000-554079	A3	20000706
US 2001-983990	A3	20011026

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB Sterol-coated liposomes for i.v. injection show high stability, good remaining property in blood, and high uptake rate by liver parenchymal cells without being trapped by reticuloendothelial system. A CHCl₃ solution of L- α -dipalmitoylphosphatidylcholine (DPPC) and a MeOH/CHCl₃ solution of a sterol glucoside (SG) mixture or sterol (S) mixture (prepared from soda foots in plant oil purification process) were mixed and the mixture was evaporated, dried, treated with a phosphate buffer containing calcein,

and then ultrasonicated to give calcein-containing SG- or S-coated multilayer liposomes. Uptake of SG or S liposomes by liver parenchymal cells was greater than that of liposomes comprising DPPC alone. Uptake of SG liposomes was 3-fold greater than that of S liposomes. S liposomes are suitable for preparing slow-release pharmaceuticals whereas SG liposome are suitable for liver targeting.

ACCESSION NUMBER: 1995:316409 CAPLUS

DOCUMENT NUMBER: 122:142554

TITLE: Pharmaceutical liposomes coated with sterols and/or their glucosides

INVENTOR(S): Muramatsu, Kazunori; Yonetani, Yoshe; Takayama, Kozo; Machida, Yosha; Nagai, Tsuneji; Mitsutake, Shigeo; Tada, Munekazu

PATENT ASSIGNEE(S): Ryukakusan Kk, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06298638	A	19941025	JP 1993-100012	19930322
JP 3338114	B2	20021028		
PRIORITY APPLN. INFO.:			JP 1993-100012	19930322

L6 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN
AB Antifouling agents, useful for paints, etc., contain sitosterol, cholestanol and/or cholesterol. Sitosterol (50 mg) was applied to paper (diameter 4 cm) to show antifouling activity against Mytilus edulis, vs. no activity, for stigmaterol. Antifouling paint containing 10 weight% sitosterol was formulated.

ACCESSION NUMBER: 1993:465690 CAPLUS
DOCUMENT NUMBER: 119:65690
TITLE: Antifouling agents containing sitosterol, cholestanol and/or cholesterol.
INVENTOR(S): Mizobuchi, Shigeyuki; Shimizu, Nobuhisa; Miki, Wataru
PATENT ASSIGNEE(S): Kaiyo Baio Tekunorojii Kenkyus, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05097617	A	19930420	JP 1991-257304	19911004
PRIORITY APPLN. INFO.:			JP 1991-257304	19911004

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	73.28	73.49
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-11.70	-11.70

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 14:07:15 ON 07 AUG 2007

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTAALF1616

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 14:14:40 ON 07 AUG 2007
FILE 'CAPLUS' ENTERED AT 14:14:40 ON 07 AUG 2007
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	73.28	73.49
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL

CA SUBSCRIBER PRICE

ENTRY SESSION
-11.70 -11.70

=> d his

(FILE 'HOME' ENTERED AT 14:00:58 ON 07 AUG 2007)

FILE 'CAPLUS' ENTERED AT 14:01:10 ON 07 AUG 2007

L1 160162 S (COATING OR COATED) AND (PHARMACEUTICAL OR SUBSTRTE OR AGENT)
L2 15 S L1 AND STIGMASTEROL
L3 0 S L1 AND (SOLVENT NEAR STEROL)
L4 102 S L1 AND STEROL
L5 13 S L4 AND SOLVENT
L6 15 S L2
L7 13 S L5

=> D L6 1-15 abs ibib

L6 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB The title inhalable aerosol is composed of (by weight%) pennogenin compound 0.01-5, coating material 0.01-15, latent solvent 0.03-20, antioxidant 0.2-5, solvent 10-45, and propellant 30-75. The coating material can be cyclodextrin, sterol, and phospholipid. The aerosol can be inhaled through nose or mouth into lung for treating blood syndrome and gynecol. inflammation with high bioavailability, rapid action and convenience.

ACCESSION NUMBER: 2007:391313 CAPLUS
DOCUMENT NUMBER: 146:448354
TITLE: Aerosol inhalants containing pennogenin for treating blood syndrome and gynecological inflammation
INVENTOR(S): Tang, Shuming; Feng, You; Gao, Chongkun
PATENT ASSIGNEE(S): Yunnan Baiyao Group Co., Ltd., Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 11pp.
 CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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CN 1939322	A	20070404	CN 2005-10011037	20050927
PRIORITY APPLN. INFO.:			CN 2005-10011037	20050927
OTHER SOURCE(S):	MARPAT 146:448354			

L6 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB The title Cortex Phellodendri Amurensis exts. comprise berberine, berberrubine, phellodendrine, magnoflorine, jatrorrhizine, palmatine, candicine, menisperine, guanidine, obaculactone, obacunone, γ - and β -sitosterol, campesterol, stigmasterol, 7-dehydrostigmasterol, dictamnolide, obacunonic acid, lumicaeruleic acid, 24-methylenecycloartenol, γ -hydroxybutenolide derivs. I and II, hispiol, olides, sterols, linear furanocoumarins, etc. The coating containing Cortex Phellodendri Amurensis exts. can inhibit the breath and RNA synthesis of bacteria, and can effectively inhibit the pollution and spread of the bacteria during paint manufacture, transportation, storage and application.

ACCESSION NUMBER: 2007:145182 CAPLUS
DOCUMENT NUMBER: 146:276178
TITLE: Application of Cortex phellodendri amurensis extracts in bactericidal coating
INVENTOR(S): Huang, Huaxin
PATENT ASSIGNEE(S): Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 6pp.
 CODEN: CNXXEV

DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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CN 1908084	A	20070207	CN 2006-10121121	20060818
PRIORITY APPLN. INFO.:			CN 2006-10121121	20060818

L6 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB A method for manufacturing functional rice having plant sterol and the functional rice manufactured therefrom are provided, which functional rice coated with plant sterol having cholesterol reducing activity has native taste and appearance, so that a consumer can easily absorb the plant sterol from the rice. The method for manufacturing functional rice having plant sterol comprises the steps of: mixing plant sterol with emulsifying agent in a weight ratio of 1:0.2 to 1:0.4, heating the mixture at 70 to 200° campestanol and a mixture thereof; the emulsifying agent is sucrose fatty acid ester, poly glycerin fatty acid ester, polysaccharides and a mixture thereof; the dispersion solvent is water containing 0.1 to 1 weight% of soybean polysaccharides; and the functional rice contains 0.09 to 0.2 weight% of plant sterol.

ACCESSION NUMBER: 2006:866815 CAPLUS

DOCUMENT NUMBER: 145:291774

TITLE: Method for manufacturing functional rice coated with plant sterol having cholesterol reducing activity and the functional rice manufactured therefrom

INVENTOR(S): Kim, Bo Cheon; Kim, Chang Gon; Kim, Myung Kuk

PATENT ASSIGNEE(S): Eugene Science Inc., S. Korea

SOURCE: Repub. Korean Kongkae Taeho Kongbo, No pp. given
CODEN: KRXXA7

DOCUMENT TYPE: Patent

LANGUAGE: Korean

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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KR 2005014537	A	20050207	KR 2003-53196	20030731
PRIORITY APPLN. INFO.:			KR 2003-53196	20030731

L6 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB The present invention relates to an ingestible coating agent comprising: (a) sterol, and (b) solvent. The coating agent can be used to protect ingestible substrates from adverse conditions that would otherwise lead to degradation of the substrate. Preferably, the solvent comprises azeotropic solvent. In another aspect, the present invention provides a coated substrate comprising an ingestible coating and an ingestible substrate. The coating agent can be used to coat any suitable substrate. Suitable substrates can include, but are not limited to, vitamins, amino acids, minerals, phytochemicals, carotenoids, pharmaceuticals, salts, nutrients, physiological active agents, and mixtures thereof.

ACCESSION NUMBER: 2005:1050499 CAPLUS

DOCUMENT NUMBER: 143:332597

TITLE: Stable coating agent comprising sterol and azeotropic solvent

INVENTOR(S): Sarama, Robert Joseph; Niehoff, Raymond Louis; Beimesch, Wayne Edward

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 6 pp.

CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005214370	A1	20050929	US 2004-811256	20040326
CA 2558903	A1	20051013	CA 2005-2558903	20050323
WO 2005094610	A1	20051013	WO 2005-US9946	20050323
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, VZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1727437	A1	20061206	EP 2005-744103	20050323
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
PRIORITY APPLN. INFO.:			US 2004-811256	A 20040326
			WO 2005-US9946	W 20050323

L6 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB The present invention relates to a composition of potassium derived from organic

source, preparation, method and amount of administration for treatment of autoimmune disorders and supplementation in the form of general preparation A food source which is high in a natural or organic potassium content is first dehydrated to remove water to a substantial degree, i.e. freeze dried; the so dehydrated food source is then reduced to small particles and the carbohydrate content thereof is extracted there from by a solvent in which carbohydrates are more soluble but proteins and organic potassium compds. are not, such as aqueous ethanol; the residue that remains after carbohydrate extraction is dried of solvent and used in pharmaceuticals, food supplements, food products and cosmetics to supplement the body's intake of potassium without possible side effects.

ACCESSION NUMBER: 2005:698148 CAPLUS
DOCUMENT NUMBER: 143:179503
TITLE: Using organic and/or inorganic potassium and its salts to treat autoimmune and other health disorders and methods of administering the same
INVENTOR(S): Medasani, Munisekhar; Jonnalagadda, Chandrasekhar
PATENT ASSIGNEE(S): India
SOURCE: U.S. Pat. Appl. Publ., 9 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005170020	A1	20050804	US 2004-854192	20040527
CA 2567637	A1	20051208	CA 2004-2567637	20040531
WO 2005115423	A1	20051208	WO 2004-IN149	20040531
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,				

NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
 TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
 SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
 SN, TD, TG

EP 1763357 A1 20070321 EP 2004-735493 20040531

R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IT, LI, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR

PRIORITY APPLN. INFO.: US 2003-474181P P 20030529
 WO 2004-IN149 W 20040531

L6 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB Disclosed are pharmaceutical compns. suitable for oral
 administration of bioactive peptides. Particularly, the
 pharmaceutical compns. comprise peptides formulated as suspensions
 stabilized with a dispersing agent. The compns. may be
 encapsulated in capsules for oral administration. The compns. show
 improved dissoln. characteristics, which are believed to make them
 suitable for use in the treatment of gastrointestinal disorders.

ACCESSION NUMBER: 2005:517405 CAPLUS

DOCUMENT NUMBER: 143:65402

TITLE: Pharmaceutical compositions for bioactive
 peptide agents

INVENTOR(S): Levy, Ralph E.

PATENT ASSIGNEE(S): Sangstat Medical Corporation, USA

SOURCE: PCT Int. Appl., 47 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005053727	A2	20050616	WO 2004-US41163	20041129
WO 2005053727	A3	20060526		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
 CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
 GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
 LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
 NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
 TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO,
 SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
 NE, SN, TD, TG

US 2005214331 A1 20050929 US 2004-328 20041129

PRIORITY APPLN. INFO.: US 2003-525740P P 20031129

L6 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB A new composition for lowering serum cholesterol levels comprises at least a
 waxy acid with 23-50 carbon atoms and with serum cholesterol level
 reducing properties, and 0-99.99% of at least a component with serum
 cholesterol level effecting properties, and 0-20% by weight of at least an
 acceptable formulation aid. The efficacy of this composition can be enhanced
 by further incorporation of other cholesterol-reducing agents,
 like lecithin, tocotrienol, saponins, fibers, long-chain waxy alcs. and
 niacin. The composition combines the benefits of the single physioloool.
 active constituents together with the technol. to increase the
 bioavailability. A Phytosterol complex (e.g., Cholestatin; 1 g) and 15 mg
 of waxy acid complex (e.g., DWAC#1) are boiled in 50 mL of EtOAc/iso-PrOH
 mixture together with 1.0 g a 20% lecithin (e.g., Epikuron). The alc. is

evaporated under vacuum to give a dispersion containing fine particles.
 ACCESSION NUMBER: 2003:855646 CAPLUS
 DOCUMENT NUMBER: 139:341766
 TITLE: Pharmaceutical compositions containing waxy acids for decreasing serum cholesterol levels
 INVENTOR(S): Pischel, Ivo; Fairrow, Herbert Clinton; Jager, Ralf
 PATENT ASSIGNEE(S): Germany
 SOURCE: U.S. Pat. Appl. Publ., 9 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003203854	A1	20031030	US 2002-131620	20020423
WO 2003090547	A1	20031106	WO 2003-EP4175	20030422
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003233042	A1	20031110	AU 2003-233042	20030422
PRIORITY APPLN. INFO.:			US 2002-131620	A 20020423
			WO 2003-EP4175	W 20030422

L6 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN
 AB The present invention relates to absorbent articles containing skin care compns. The skin care compns. containing about 40-99% of an emollient and about 1-60% of a stability enhancer are stable on the bodyside liners of absorbent articles despite not containing an immobilizing agent. Surprisingly, the skin care compns. of the invention even demonstrate less migration away from the bodyside liner than do other compns. that contain so-called immobilizing agents. The compns. of the invention possess phys. properties, such as m.ps., viscosities and hardnesses, comparable to compns. containing immobilizing agents, making them suitable for use on absorbent articles. For example, a composition containing
 61% white petrolatum and 39% Elvax 220 resin was slot coated onto standard bodyside liner of disposable diapers and evaluated for stability. The diapers were placed into aging chambers at 40° and 75% relative humidity showing the composition loss of 2.5% after 7 days.

ACCESSION NUMBER: 2002:696713 CAPLUS
 DOCUMENT NUMBER: 137:222129
 TITLE: Absorbent articles with simplified stable compositions containing emollient and polymeric stability enhancer
 INVENTOR(S): Kruchoski, Benjamin Joseph; Kottek, Michael Brent; Krzysik, Duane Gerard; Cunningham, Corey Thomas; Orchard, Lewis Preole
 PATENT ASSIGNEE(S): Kimberly-Clark Worldwide, Inc., USA
 SOURCE: U.S. Pat. Appl. Publ., 21 pp., Cont.-in-part of U.S. Ser. No. 746,880.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 2002128621	A1	20020912	US 2001-27264	20011221
US 6689932	B2	20040210		
US 2002128615	A1	20020912	US 2000-746880	20001222
PRIORITY APPLN. INFO.:			US 2000-746880	A2 20001222

L6 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB The present invention relates to absorbent articles including skin care compns. The skin care compns. of the invention are stable on the bodyside liners of absorbent articles despite not containing an immobilizing agent. Surprisingly, the skin care compns. of the invention even demonstrate less migration away from the bodyside liner than do other compns. that contain so-called "immobilizing agents". The compns. of the invention possess phys. properties, such as m.ps., viscosities and hardnesses, comparable to compns. containing immobilizing agents, making them suitable for use on absorbent articles. For example, a composition containing 79% white petrolatum and 21% Elvax 220 resin, when coated on the liner of a disposable diaper, showed a percent loss, an indicative of the Z-direction migration of the composition, of 3.3%.

ACCESSION NUMBER: 2002:504577 CAPLUS
DOCUMENT NUMBER: 137:68236
TITLE: Absorbent articles with simplified emollient compositions having good stability
INVENTOR(S): Kruchoski, Benjamin Joseph; Kottek, Michael B.; Krzysik, Duane Gerard; Cunningham, Corey Thomas; Orchard, Lewis Preole, IV
PATENT ASSIGNEE(S): Kimberly-Clark Worldwide, Inc., USA
SOURCE: PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002051363	A2	20020704	WO 2001-US50111	20011221
WO 2002051363	A3	20030206		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2002128615	A1	20020912	US 2000-746880	20001222
AU 2002232784	A1	20020708	AU 2002-232784	20011221
PRIORITY APPLN. INFO.:			US 2000-746880	A 20001222
			WO 2001-US50111	W 20011221

L6 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB A hydrocolloid protective coating for food and/or agricultural products comprises: 5-95% dried hydrocolloid gel; 0.2-50% of one or more natural compds. isolated from the surface of said product or a compound substantially equivalent thereto; 4-30% of water; and optional additives. The protective coating provides improved protection of the product, thereby extending its shelf-life. A method for producing the coating, and food and agricultural products protected by the coating are also disclosed. Thus, fresh garlic bulbs are immersed in 2% sodium alginate soln containing 0.2% β -sitosterol; a second immersion in 2% calcium chloride then followed. The dried film of the coated garlic contained 81% cross-linked sodium alginate, 9%

sterol, and 10% water.

ACCESSION NUMBER: 2001:741455 CAPLUS
DOCUMENT NUMBER: 135:256468
TITLE: Protective food coating containing dried
hydrocolloid gel and sterols or other natural products
INVENTOR(S): Nussinovitch, Amos; Hershko, Varda; Rabinowitch, Haim
D.
PATENT ASSIGNEE(S): Yissum Research Development Company of the Hebrew
University of Jerusalem, Israel
SOURCE: U.S., 10 pp., Cont.-in-part of U.S. Ser. No. 836,602.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6299915	B1	20011009	US 2000-521959	20000309
WO 9613984	A1	19960517	WO 1995-US14252	19951102
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 6068867	A	20000530	US 1997-836602	19970714
PRIORITY APPLN. INFO.:			IL 1995-111495	A 19951102
			WO 1995-US14252	A2 19951102
			US 1997-836602	A2 19970714
			IL 1994-111495	A 19941102
REFERENCE COUNT:	5	THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L6 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN
AB A method for making a composition suitable for inclusion in a food product or
beverage comprises the step of combining a hydrophobic compound which can be
shown to be beneficial for human health with a component which is
acceptable as a food additive, wherein the component which is acceptable
as a food additive interacts with the surface of the hydrophobic compound
Preferably, the hydrophobic compound is a plant sterol or lycopene or a
combination thereof. Food products and beverages supplemented with plant
sterol and other hydrophobic compds. are provided. In particular, the
food products or beverages are an emulsifiable spread or ones which are
fermented with lactic acid bacteria.

ACCESSION NUMBER: 2000:493281 CAPLUS
DOCUMENT NUMBER: 133:104197
TITLE: Modified food products and beverages, and additives
for food and beverages
INVENTOR(S): Vulfson, Evgeny Naum; Law, Barry Arnold
PATENT ASSIGNEE(S): Nutrahealth Ltd. (UK), UK
SOURCE: PCT Int. Appl., 91 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000041491	A2	20000720	WO 2000-GB96	20000117
WO 2000041491	A3	20001207		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,				

IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP 1146798 A2 20011024 EP 2000-900291 20000117
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO

PRIORITY APPLN. INFO.: GB 1999-748 A 19990115
GB 1999-1892 A 19990129
WO 2000-GB96 W 20000117

L6 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB Methods are provided for forming spherical multilamellar microcapsules having alternating hydrophilic and hydrophobic liquid layers, surrounded by flexible, semi-permeable hydrophobic or hydrophilic outer membranes which can be tailored specifically to control the diffusion rate. The methods of the invention rely on low shear mixing and liquid-liquid diffusion process and are particularly well suited for forming microcapsules containing both hydrophilic and hydrophobic drugs. These methods can be carried out in the absence of gravity and do not rely on d.-driven phase separation, mech. mixing or solvent evaporation phases. The methods include the process of forming, washing and filtering microcapsules. In addition, the methods contemplate coating microcapsules with ancillary coatings using an electrostatic field and free fluid electrophoresis of the microcapsules. The microcapsules produced by such methods are particularly useful in the delivery of pharmaceutical compns. A series of microencapsulation expts. carried out in absence of gravity (on space flights) was presented. E.g., multilamellar microcapsules were prepared in microgravity using (1) a primary solution (hydrocarbon) of 88% isopropanol, 2.5% hexanol, 2.5% heptanol, 5% iodinated poppy seed oil (IPO), 2% water, and 5% glycerol monostearate, (2) a sec. solution (aqueous) of 1% PEG 4000, 5% dextran 40, 0.9% NaCl, 2% Tween 80, water up to 100% by volume, and a drug at specific concentration (e.g., cisplatin, vancomycin, or Reglan), and (3) a storage solution (oil) immiscible with the first two fluids; the preferred oil vehicle was IPO which also served as a radio contrast medium.

ACCESSION NUMBER: 1999:753142 CAPLUS
DOCUMENT NUMBER: 132:15618
TITLE: Microencapsulation and electrostatic processing method using polymers and oils
INVENTOR(S): Morrison, Dennis R.; Mosier, Benjamin
PATENT ASSIGNEE(S): NASA/Johnson Space Center, USA
SOURCE: PCT Int. Appl., 61 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 9
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9959714	A1	19991125	WO 1999-US10654	19990514
W: JP				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 6103271	A	20000815	US 1998-79770	19980515
EP 1079918	A1	20010307	EP 1999-923047	19990514
EP 1079918	B1	20031217		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
AT 256497	T	20040115	AT 1999-923047	19990514

PRIORITY APPLN. INFO.:

US 1998-79770 A 19980515
US 1994-349169 A2 19941202
WO 1999-US10654 W 19990514

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB A non-enteric-coated oral dosage form of an acid-labile drug (e.g. a proton pump inhibitor) comprises drug particles $\leq 200 \mu\text{m}$ in size encapsulated in a mixture of ≥ 1 sterol and ≥ 1 polymer by spray drying a suspension of drug particles in a solution containing the sterol and polymer. Thus, cholesterol 7.0 and ethocel 5.0 g were dissolved in 100 mL CH_2Cl_2 , 5.0 g Na pantoprazole-1.5H₂O was suspended in the solution, and the suspension was spray dried in N₂ at 51° to produce a white, free-flowing powder which was combined with a granulated mixture of mannitol 134.7, PVP 30, and xanthan 20 g and dispensed into sachets or compressed into tablets.

ACCESSION NUMBER: 1999:384095 CAPLUS

DOCUMENT NUMBER: 131:23545

TITLE: Oral administration form containing an acid-labile active agent

INVENTOR(S): Linder, Rudolf; Dietrich, Rango

PATENT ASSIGNEE(S): Byk Gulden Lomberg Chemische Fabrik G.m.b.H., Germany

SOURCE: Ger. Offen., 4 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19754324	A1	19990610	DE 1997-19754324	19971208
CA 2310585	C	19990617	CA 1998-2310585	19981208
CA 2310585	A1	19990617		
CA 2312493	A1	19990617	CA 1998-2312493	19981208
CA 2312493	C	20070306		
WO 9929299	A1	19990617	WO 1998-EP7946	19981208
W: AL, AU, BA, BG, BR, CA, CN, CZ, EE, GE, HR, HU, ID, IL, IN, JP, KR, LT, LV, MK, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, US, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
WO 9929320	A1	19990617	WO 1998-EP8036	19981208
W: AL, AU, BA, BG, BR, CA, CN, CZ, EE, GE, HR, HU, ID, IL, IN, JP, KR, LT, LV, MK, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, US, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9921600	A	19990628	AU 1999-21600	19981208
AU 751066	B2	20020808		
AU 9924130	A	19990628	AU 1999-24130	19981208
AU 748209	B2	20020530		
EP 1037634	A1	20000927	EP 1998-965801	19981208
EP 1037634	B1	20050907		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
EP 1037607	A1	20000927	EP 1998-966609	19981208
EP 1037607	B1	20040225		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
EE 200000329	A	20010815	EE 2000-329	19981208
EE 4800	B1	20070416		
EE 200000331	A	20010815	EE 2000-331	19981208
EE 4576	B1	20060215		

HU 200100043	A2	20010828	HU 2001-43	19981208
HU 200100065	A2	20010828	HU 2001-65	19981208
JP 2001525355	T	20011211	JP 2000-523971	19981208
JP 2001525366	T	20011211	JP 2000-523991	19981208
EP 1371361	A1	20031217	EP 2003-20043	19981208
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
AT 260090	T	20040315	AT 1998-966609	19981208
PT 1037607	T	20040730	PT 1998-966609	19981208
ES 2216351	T3	20041016	ES 1998-966609	19981208
EP 1525882	A1	20050427	EP 2004-106422	19981208
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, LV, FI, MK, CY, AL				
AT 303809	T	20050915	AT 1998-965801	19981208
ES 2249849	T3	20060401	ES 1998-965801	19981208
US 6328993	B1	20011211	US 2000-530944	20000622
US 6383510	B1	20020507	US 2000-554079	20000706
US 2002025342	A1	20020228	US 2001-983990	20011026
US 6569453	B2	20030527		
US 2002090397	A1	20020711	US 2002-96288	20020313
US 6607742	B2	20030819		
US 2004022854	A1	20040205	US 2003-423002	20030425
US 6884437	B2	20050426		

PRIORITY APPLN. INFO.:

DE 1997-19754324	A	19971208
DE 1998-19822549	A	19980520
EP 1998-965801	A3	19981208
EP 1998-966609	A3	19981208
WO 1998-EP7946	W	19981208
WO 1998-EP8036	W	19981208
US 2000-530944	XX	20000622
US 2000-554079	A3	20000706
US 2001-983990	A3	20011026

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AB Sterol-coated liposomes for i.v. injection show high stability, good remaining property in blood, and high uptake rate by liver parenchymal cells without being trapped by reticuloendothelial system. A CHCl₃ solution of L- α -dipalmitoylphosphatidylcholine (DPPC) and a MeOH/CHCl₃ solution of a sterol glucoside (SG) mixture or sterol (S) mixture (prepared from soda foots in plant oil purification process) were mixed and the mixture was evaporated, dried, treated with a phosphate buffer containing calcein, and then ultrasonicated to give calcein-containing SG- or S-coated multilayer liposomes. Uptake of SG or S liposomes by liver parenchymal cells was greater than that of liposomes comprising DPPC alone. Uptake of SG liposomes was 3-fold greater than that of S liposomes. S liposomes are suitable for preparing slow-release pharmaceuticals whereas SG liposome are suitable for liver targeting.

ACCESSION NUMBER: 1995:316409 CAPLUS

DOCUMENT NUMBER: 122:142554

TITLE: Pharmaceutical liposomes coated with sterols and/or their glucosides

INVENTOR(S): Muramatsu, Kazunori; Yonetani, Yoshe; Takayama, Kozo; Machida, Yosha; Nagai, Tsuneji; Mitsutake, Shigeo; Tada, Munekazu

PATENT ASSIGNEE(S): Ryukakusan Kk, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06298638	A	19941025	JP 1993-100012	19930322
JP 3338114	B2	20021028		
PRIORITY APPLN. INFO.:			JP 1993-100012	19930322

L6 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN
 AB Antifouling agents, useful for paints, etc., contain sitosterol, cholestanol and/or cholesterol. Sitosterol (50 mg) was applied to paper (diameter 4 cm) to show antifouling activity against Mytilus edulis, vs. no activity, for stigmasterol. Antifouling paint containing 10 weight% sitosterol was formulated.

ACCESSION NUMBER: 1993:465690 CAPLUS
 DOCUMENT NUMBER: 119:65690
 TITLE: Antifouling agents containing sitosterol, cholestanol and/or cholesterol.
 INVENTOR(S): Mizobuchi, Shigeyuki; Shimizu, Nobuhisa; Miki, Wataru
 PATENT ASSIGNEE(S): Kaiyo Baio Tekunorojii Kenkyus, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 3 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05097617	A	19930420	JP 1991-257304	19911004
PRIORITY APPLN. INFO.:			JP 1991-257304	19911004

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FULL ESTIMATED COST	116.20	116.41
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-23.40	-23.40

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PASSWORD:

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NEWS 1	Web Page for STN Seminar Schedule - N. America
NEWS 2 MAY 01	New CAS web site launched
NEWS 3 MAY 08	CA/Caplus Indian patent publication number format defined
NEWS 4 MAY 14	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS 5 MAY 21	BIOSIS reloaded and enhanced with archival data
NEWS 6 MAY 21	TOXCENTER enhanced with BIOSIS reload